

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

COMMUNICATIONS GENERAL NOTES

1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING HIS PROPOSAL AND BECOME FAMILIAR WITH THE CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED, AND CORRELATE HIS SITE OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. INCONSISTENCIES DISCOVERED SHALL BE REPORTED TO THE ARCHITECT AND ENGINEER AT ONCE, BEFORE SUBMITTAL OF BID PROPOSAL.
2. ALL COMMUNICATIONS PRODUCTS AND INSTALLATIONS SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES. REFER TO SPECIFICATIONS FOR MATERIALS AND METHODS FOR COMMUNICATIONS CONSTRUCTION.
3. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, PAY ALL FEES, AND COMPLY WITH ALL NATIONAL, STATE, AND MUNICIPAL LAWS, CODES, AND ORDINANCES RELATING TO BUILDING AND PUBLIC SAFETY.
4. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED FOR A COMPLETE WORKING AND COORDINATED SYSTEM.
5. UNLESS OTHERWISE NOTED, ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND U.L. LISTED OR LABELED. EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, AND LISTING OR LABELING REQUIREMENTS AND RESTRICTIONS. PROVIDE SUBMITTAL DATA AS DEPICTED IN THE COMMUNICATIONS SPECIFICATIONS.
6. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL COMMUNICATIONS MATERIALS PROPOSED UNDER THIS CONTRACT. ANY DEVIATIONS FROM ITEMS SPECIFIED SHALL BE CLEARLY IDENTIFIED. NO WORK IS AUTHORIZED WITHOUT SHOP DRAWINGS REVIEWED BY ENGINEER.
7. ALL EMPTY CONDUIT SYSTEMS SHALL CONTAIN A PULL WIRE FOR FUTURE PULLING OF CONDUCTORS.
8. REFER TO AND COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL DEVICES AND EQUIPMENT.
9. REFER TO AND COORDINATE WITH DIVISION 15 FOR THE LOCATION OF ALL ITEMS LOCATED IN THE CEILING INCLUDING, BUT NOT LIMITED TO SUPPLY-AIR DIFFUSERS, RETURN-AIR DIFFUSERS AND FIRE SPRINKLER HEADS.
10. ALL PENETRATIONS THROUGH FIRE RATED WALLS OR PARTITIONS SHALL BE MADE IN ACCORDANCE WITH U.L. 483 "FIRE RESISTANCE DIRECTORY". PENETRATIONS SHALL BE SLEEVED AND SEALED WITH A UL APPROVED FIRE RATED SEALANT. REFER TO ARCHITECTURAL PLANS FOR FIRE RATED WALLS.
11. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL OUTAGES WITH VA COTR.

COMM. DEMOLITION NOTES

- A. INFORMATION PROVIDED ON THESE DRAWINGS HAVE BEEN TAKEN FROM DESIGN DRAWING AND FIELD OBSERVATIONS. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO PRICING AND COMMENCEMENT OF WORK.
- B. WHERE EXISTING WALLS ARE DEMOLISHED, REMOVE ALL EXISTING WIRING DEVICES AND THEIR ASSOCIATED CONDUITS AND WIRING BACK TO THE POINT OF ORIGINATION.
- C. PROVIDE FOR ANY AND ALL DEMOLITION WORK NECESSARY TO ACCOMMODATE ALL NEW CONSTRUCTION, INCLUDING ARCHITECTURAL, MECHANICAL, PLUMBING OR ELECTRICAL WORK.
- D. IF DEMOLITION IS REQUIRED TO INSTALL AN ITEM, THE CONTRACTOR SHALL RESTORE THE AREA TO PREVIOUS CONDITION, OR REPLACE DAMAGED ITEMS WITH NEW ITEMS TO MATCH EXISTING.
- E. SPACE ALLOCATIONS FOR MATERIALS, EQUIPMENT AND DEVICES HAVE BEEN MADE ON THE BASIS OF PRESENT AND KNOWN FUTURE REQUIREMENTS AND THE DIMENSIONS OF ITEMS OF EQUIPMENT OR DEVICES OF A PARTICULAR MANUFACTURER. WHETHER INDICATED OR NOT, THE CONTRACTOR SHALL VERIFY THAT ALL MATERIALS, EQUIPMENT AND DEVICES PROPOSED FOR USE ON THIS PROJECT ARE WITHIN THE CONSTRAINTS OF THE ALLOCATED SPACE.

TV SYMBOLS LEGEND			
SYMBOL LEGEND			
Symbol	Device	Specifications	MOUNTING
	TV OUTLET - ONE RG6/U COAX CABLE	DOUBLE GANG BOX 4" X 4" WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUB UP	TV HEIGHT
	TV DATA OUTLET - ONE CAT 6 NETWORK CABLE	DOUBLE GANG BOX 4" X 4" WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUB UP	TV HEIGHT
	TV JUNCTION BOARD	A MINIMUM 4" X 4" WALL SPACE INSIDE COMM. ROOM	NA
Note #1: Coordinate with architectural elevations for TV mounting heights. Locate coax drop next to TV electrical outlet. Note #2: Where TV will be interfaced with the nurse call; nurse call hook up wire shall be housed in same back box as coax. Coordinate exact requirements with nurse call vendor. Note #3: Data outlet, TV coax and nurse call interface cable shall be located in same back box where applicable.			

NURSE CALL SYMBOLS LEGEND				
RAULAND BORG RESPONDER 5 SYMBOL LEGEND				
Symbol	Device	Model #	Specifications	MNTG. HT. UNO
	CORRIDOR LIGHT (4 POSITION)	352000	4-11/16" BACKBOX 2 1/8" DEEP WITH 1 1/2" EXTENSION & 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	NOTE #1
	ZONE LIGHT (4 POSITION)	352000	4-11/16" BACKBOX 2 1/8" DEEP WITH 1 1/2" EXTENSION & 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	Ceiling
	DOMELESS CORRIDOR CONTROLLER	352020	4-11/16" BACKBOX 2 1/8" DEEP WITH 1 1/2" EXTENSION & 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX (BY ELECTRICAL CONTRACTOR), MOUNTED ABOVE ACCESSIBLE CEILING.	Ceiling
	SINGLE PATIENT STATION	353000	3 DEVICE, NON-GANGABLE, 3 1/2" DEEP, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	DUTY STATION	353100	3 DEVICE, NON-GANGABLE, 3 1/2" DEEP, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	PULL CORD STATION	354001	4" SQUARE BACKBOX 3 1/2" DEEP WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	48"
	PULL CORD STATION W/AUDIO	354000	4" SQUARE BACKBOX 3 1/2" DEEP WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	48"
	STAFF ASSIST/CODE BLUE STATION	354018	4" SQUARE BACKBOX 3 1/2" DEEP WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	STAFF ASSIST/CODE PINK STATION	354018	4" SQUARE BACKBOX 3 1/2" DEEP WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	2 PORT AUXILIARY ALARM INPUT STATION	351200, 351201	4" SQUARE BACKBOX 3 1/2" DEEP WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	STAFF STATION	353101	3 DEVICE, NON-GANGABLE, 3 1/2" DEEP, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	CODE PINK STATION	354011	4" SQUARE BACKBOX 3 1/2" DEEP WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	CODE BLUE STATION	354011	4" SQUARE BACKBOX 3 1/2" DEEP WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	BED MANAGEMENT STATION	354016	4" SQUARE BACKBOX 3 1/2" DEEP WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	54"
	NURSE CONSOLE, CONSOLE RECEPTACLE	351200	4" SQUARE BACKBOX WITH 1 GANG RING, UL RECOGNIZED METAL ELECTRICAL BOX WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	NOTE #1
	NURSE CALL HEAD END SERVER		COMPUTER TOWER SERVERS INSTALLED IN SERVER CABINETS	NA
	NURSE CALL HEAD END WALL MOUNTING CABINET	354100	35102 BACKBOX (14.38W" X 28" X 3.75") SUPPLIED BY CONTRACTOR (INSTALLED BY ELECTRICAL CONTRACTOR).	NA
	INPUT MODULE - 2 POINT	350005	FITS IN DOME LIGHT OR AUX JACK BACK BOX.	NA
	M-NET DIVIDER MODULE	350302	FITS IN PATIENT STATION BACKBOX.	NA
	FEATURE BED MODULE	N0BED	FITS IN PATIENT STATION BACKBOX.	NA
	BED INTERFACE RECEPTACLE	NCLV120	4" SQ BACKBOX WITH 1 GANG RING WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	18"
	VOLTAGE LIGHT CONTROLLER	N/A (BY OTHERS)	4" GANG-3-1/2" DEEP MASONRY BOX, AND 4 GANG BLANK PLATE (BY ELEC CONTRACTOR). REQUIRES CONNECTION TO 120 VOLT LIGHTING CIRCUITS (BY ELEC CONTRACTOR).	NA
	TELEVISION OUTLET WITH CONTROL	N/A	LOCATED IN SAME BACK BOX AS TV COAX	NA
	ROOM SMOKE DETECTOR WITH FORM "C" CONTACTS		BY OTHERS.	Ceiling
	ROOM AUXILIARY WALL SPEAKER	WALLPLATE ASSEMBLY W/ SP-030, VC-050 AND RB-030	4-11/16" SQUARE BACKBOX WITH 2 GANG RING WITH 3/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING (BY ELECTRICAL CONTRACTOR).	48"
	CEILING SPEAKER # = ZONE	ACC1400	MOUNTED IN ACCESSIBLE CEILING SPACE WITH RAULAND ACC1101 SPEAKER BACKBOX AND RAULAND #ACC1104 TILE BRIDGE	Ceiling
	HORN SPEAKER # = ZONE	3602	4-11/16" SQUARE BACKBOX WITH 1 GANG RING (BY ELECTRICAL CONTRACTOR).	NA
	VOLUME CONTROL # = ZONE	ACC1300	4-11/16" SQUARE BACKBOX WITH 1 GANG RING (BY ELECTRICAL CONTRACTOR).	54"
	PAGING SYSTEM AMPLIFIER	N/A	MOUNTS ON SHELVES WITHIN EQUIPMENT RACKS- PROVIDED AND INSTALLED BY CONTRACTOR (REQUIRES 120VAC BY ELECTRICAL CONTRACTOR & A PEX LOOP START TRUNK PORT).	NA
Note #1: Coordinate with architectural elevations for mounting heights at nurse station. Consoles will be placed on top of work counter and/or desk. Note #2: Corridor dome lights to be wall mounted, centered 6" above door of the room it serves.				

HOSPITAL COMMUNICATIONS SYMBOLS

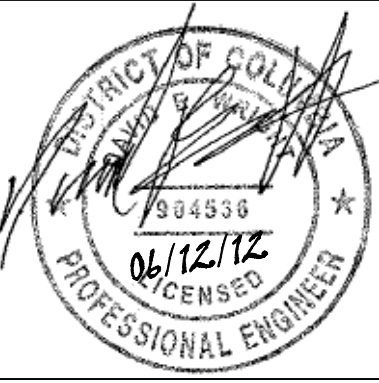
ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.		
SYMBOL	DESCRIPTION	MNTG. HT. UNO (SEE NOTE 1)
	WIRELESS I.S. OUTLET, CEILING MOUNTED, N=CABLE QTY. CABLE INSTALLATION & TERMINATION BY DIV 27. LEAVE 50" COILED IN CEILING JACK AND TEST. 1 DATA CABLE - CEILING MOUNTED 2 DATA CABLES - CEILING MOUNTED	-
	WIRELESS I.S. OUTLET, CEILING MOUNTED, N=CABLE QTY. CABLE INSTALLATION & TERMINATION BY DIV 27. LEAVE 50" COILED IN CEILING JACK AND TEST. 1 VOICE - CEILING MOUNTED 2 VOICE, 2 DATA CABLES - CEILING MOUNTED	-
	VOICE & DATA OUTLET, N=CABLE QTY., DOUBLE GANG BOX 4" X 4" WITH A 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION & TERMINATION BY DIV 27. 1 VOICE CABLE 2 VOICE, 2 DATA CABLE 2 VOICE, 1 DATA CABLE 2 VOICE, 2 DATA CABLE 2 VOICE CABLES 4(1V,3D) 1 VOICE, 3 DATA CABLES 4(3V,1D) 3 VOICE, 1 DATA CABLES	18" AFF
	DATA ONLY OUTLET, N=CABLE QTY., DOUBLE GANG BOX 4" X 4" WITH A 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION & TERMINATION BY DIV 27. 1 DATA CABLE 3 DATA CABLES 2 DATA CABLES 4 DATA CABLES	18" AFF
	DATA ONLY OUTLET (KRONOS TIME CLOCK) SINGLE GANG BOX 2" X 4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING. CABLE INSTALLATION & TERMINATION BY DIV 27.	54" AFF
	HANDICAPPED TELEPHONE OUTLET, N=CABLE QTY., SINGLE GANG BOX 2" X 4", 3/4" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION & TERMINATION BY DIV 27.	48" AFF
	WALL TELEPHONE OUTLET, N=CABLE QTY., SINGLE GANG BOX 2" X 4", 3/4" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION & TERMINATION BY DIV 27.	54" AFF
	WALL TELEPHONE OUTLET, MOUNTED ABOVE COUNTER TOP (COORD. MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS) N=CABLE QTY. SINGLE GANG BOX 2" X 4", 3/4" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION & TERMINATION BY DIV 27.	-
	WALL TELEPHONE OUTLET, MOUNTED ABOVE COUNTER TOP, N=CABLE QTY. (COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS) DATA ONLY OUTLET WILL BE MOUNTED DIRECTLY BELOW THE WALL TELEPHONE OUTLET AT 18" ABOVE FLOOR. 1" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION AND TERMINATION BY DIV 27. DATA OUTLET: DOUBLE GANG BOX 4" X 4" WITH A 2" X 4" DEVICE COVER. WALL TELEPHONE OUTLET: SINGLE GANG BOX 2" X 4".	-
	PUBLIC TELEPHONE OUTLET, N=CABLE QTY., SINGLE GANG BOX 2" X 4", 3/4" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION BY DIV 27 & TERMINATION BY OTHERS.	54" AFF
	VOICE AND DATA OUTLET, N=CABLE QTY. MOUNTED ABOVE COUNTER TOP (COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS) N=CABLE QTY., DOUBLE GANG BOX 4" X 4" WITH 2" X 4" DEVICE COVER, 1" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION & TERMINATION BY DIV 27.	-
	VOICE AND DATA OUTLET IN FLOOR, N=CABLE QTY., SEE SPECIFICATIONS FOR BOX AND COVER, 1" CONDUIT STUBBED ABOVE CEILING. CABLE INSTALLATION & TERMINATION BY DIV 27. 1 VOICE CABLE - FLR MTD 2 VOICE, 2 DATA CABLES - FLR MTD 2 VOICE, 1 DATA CABLE - FLR MTD 2 VOICE, 2 DATA CABLES - FLR MTD 1 VOICE CABLE - FLR MTD 2 DATA CABLES - FLR MTD 3 DATA CABLES - FLR MTD 4 DATA CABLES - FLR MTD	-
	19" DATA RACK FOR MEDITECH EQUIPMENT. DIMENSIONS: 21"WIDE X 15" DEEP X 84" HIGH. REQUIRED FRONT AND REAR CLEARANCE 36"	-
	TELEPHONE BACKBOARD. EACH MEASURES 4" X 8" X 3/4" THICK. THIS SPACE IS RESERVED FOR TELECOM TERMINATING BLOCKS.	-
	CABLE SUPPORT RACK. THE COMMUNICATION CONTRACTOR WILL PROVIDE MATERIAL & INSTALLATION.	-
	FLOOR SLEEVE TO EXTEND A MINIMUM OF 1" ABOVE FLOOR LEVEL. ALL VERTICAL SLEEVES WILL BE 4" DIAMETER STEEL EMT WITH BUSHINGS. REFER TO DRAWINGS FOR QUANTITY AND LOCATION.	-
	INDICATES 2" EMT SLEEVE, WITH BUSHINGS, THROUGH RATED WALLS UNLESS OTHERWISE NOTED ON DRAWINGS.	-
	24" BASKET STYLE CABLE TRAY - MAIN CABLE PATHWAY	-
NOTES: 1. 48" AFF INDICATES TO TOP OF DEVICE; 80" AFF INDICATES TO BOTTOM OF DEVICE; ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICES.		
COMMUNICATIONS ABBREVIATIONS (FOR CLARIFICATION ONLY)		
AFF	ABOVE FINISHED FLOOR	TYP TYPICAL
BFC	BELOW FINISHED CEILING	UF UNDERFLOOR
C	CONDUIT	UG UNDERGROUND
CLG	CEILING MOUNTED	UNO(U.N.O.) UNLESS NOTED OTHERWISE
EC	EMPTY CONDUIT	WP WEATHERPROOF
EX	EXISTING	PM PATIENT MONITORING
EX-R	EXISTING TO BE RELOCATED	MON MONITOR
MTD	MOUNT OR MOUNTED	

CONSTRUCTION DOCUMENTS 100% SUBMITTAL FOR BID	06/13/2012
CONSTRUCTION DOCUMENTS 100% SUBMITTAL	06/22/2011
CONSTRUCTION DOCUMENTS 95% SUBMITTAL	02/01/2011
DESIGN DEVELOPMENT 50% SUBMITTAL	06/21/2010
SCHEMATIC DESIGN 15% SUBMITTAL	05/03/2010
Revisions:	Date

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ARCHITECT/ENGINEERS:



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Project Number 688-336
Building Number E
Drawing Number T1.00

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Office of
Facilities
Management

